Administrator App User Manual

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1 The ScriptRunner Administrator App

This document describes the main elements of the main ScriptRunner user interface, the Administrator App.

Note	The ScriptRunner Administrator App is based on the Windows integrated Web browser and therefore often behaves similar to an Internet Explorer window. For example, as in Internet Explorer you can change the content size with 'Ctrl' and '+' (for scaling up) or 'Ctrl' and '-' (for scaling down). You can also use your mouse wheel with 'Ctrl' to zoom in and out. 'Ctrl' + '0' will restore the size to the initial value.

The main elements of the user interface are the main navigation section with a sub-navigation (A), **+NEW** in the bottom left corner (B), the context-dependent action bar at the bottom (C), the top bar menu (D) and the main area showing several list views or the dashboard (E).

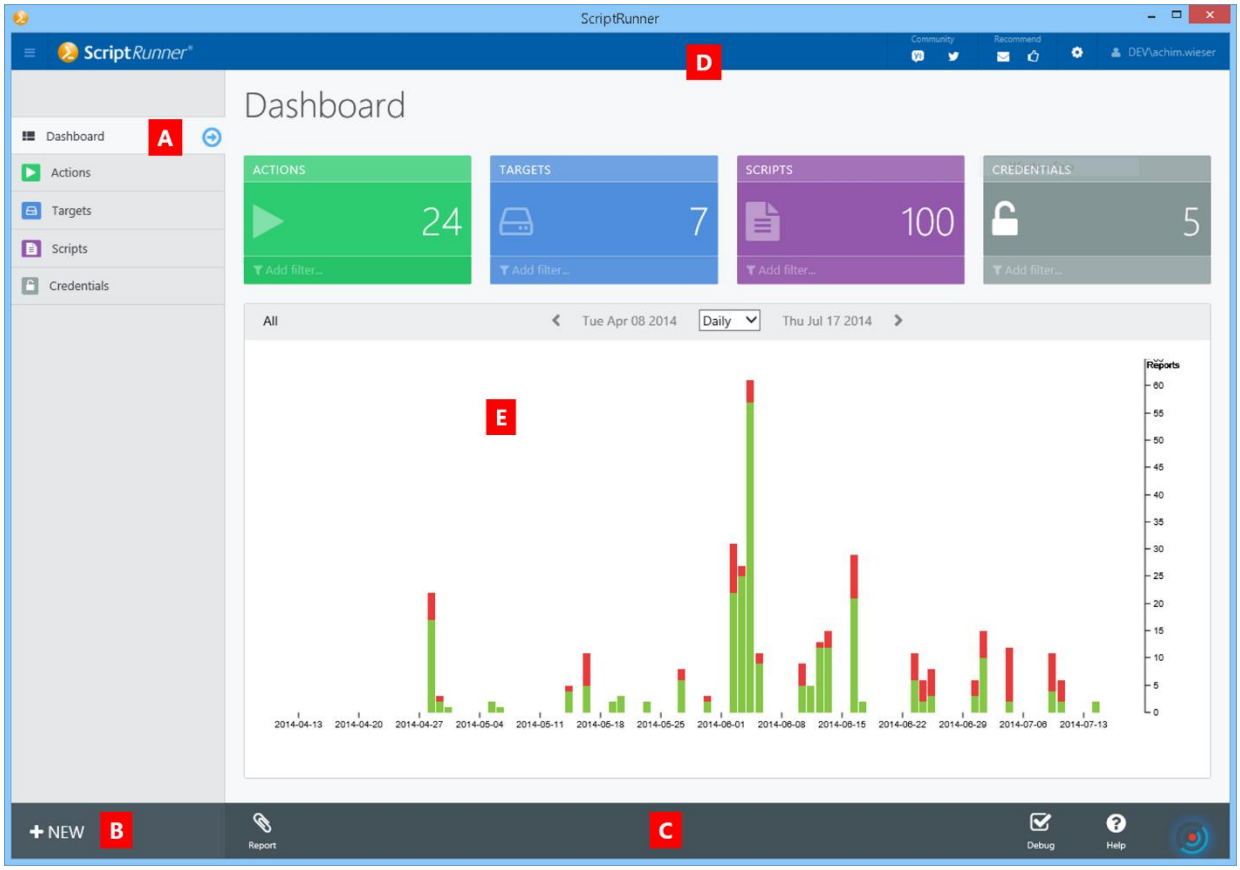

Figure 1: ScriptRunner Dashboard

Let's start with a brief overview of the dashboard.

1.1 Dashboard

After starting ScriptRunner, the interactive dashboard provides access to all functions. The dashboard screen includes four panels which provide access to the same categories as the main navigation section, a bar chart, and the context-dependent action bar at the bottom.

Categories include Actions, Targets, Scripts, and Credentials.

Each panel shows the number of entries in the respective category. Clicking the panel changes to the respective category. Using the filter area at the bottom of a category panel allows configuring and enabling or disabling a context-dependent filter for the dashboard view. You can also combine multiple filters.

1.2 Main and Sub-Navigation

A On the left-hand side is the main navigation section that navigates to the Dashboard, Actions, Targets, Scripts and Credentials views. If team functions are active, there is also an Authorization entry for the roles and their permissions.

Clicking the arrow icon next to a navigation item will open a tag-controlled subsection. Selecting a sub-navigation item will filter the list to show only items with the respective tag.

For optimized viewing at low screen resolutions, you can collapse the main navigation using the button in the top-left corner of the top bar.

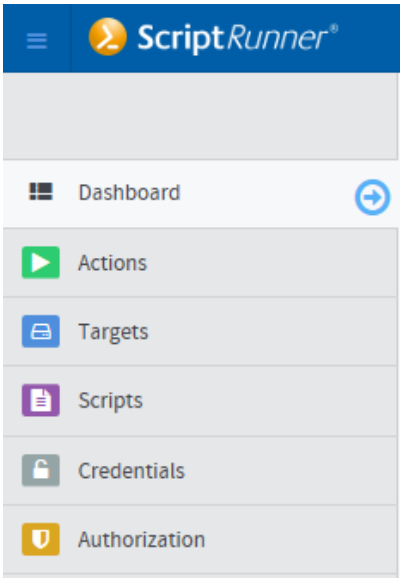

Figure 2: Main Navigation

1.3 NEW

B Clicking **+NEW** at the bottom in the left corner starts a wizard that you can use for creating new actions, target systems, and credentials. The available wizards do not depend on the current view.

A quick help is available at the top of each wizard page. It can be expanded or collapsed by clicking Info , the Info hyperlink.

1.4 Action Bar

C A dark-gray bar located at the bottom of the window provides access to permanently available as well as context-dependent program functions. Functions that are not available in the current user context are grayed out.

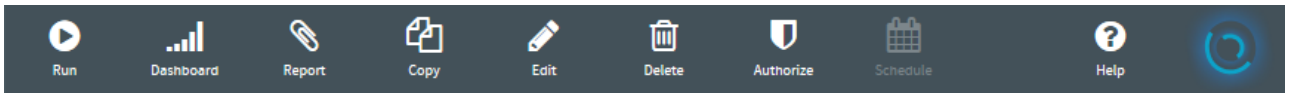

Figure 3: Action bar

Some functions are available in every view:

- **Edit** and **Delete**: Open a wizard to edit the configuration of the selected entry, or delete the selected entry.
- **Dashboard:** The selected item is applied as a filter in the interactive dashboard. The dashboard will then be displayed.
- **Report**: A click on **Report** will open the report window and the two most recent reports will be displayed side by side. You can navigate through the reports depending on the current filter selection. The following actions are available with the report displayed on the right side of the report window:
  - Copy to the clipboard.
  - Store to a file.
  - Send by e-mail.
- **Help**: Click **Help** to open context sensitive help content in the help window.
- **Status field**: Shows current notifications and activities during the execution of actions.

1.4.1 Access context-specific help contents from the Action Bar

From every list view you can open specific help content by clicking on the Help button on the right-hand side of the Action Bar. The help window opens and shows a page with detailed information about the current view. On the help page, there is a help navigation bar where you can directly go to the other help pages.

Additional details about using ScriptRunner can be found on our support pages and in Info information text elements in every modal dialog window of the configuration wizards.

1.5 Top Bar

D The blue top bar contains controls for general commands such as Community, Recommendations and Settings (gear icon). The current Windows user account is displayed in the top-right window corner. For optimized viewing at low screen resolutions, you can collapse the main navigation section using the button in the top-left corner of the top bar.

Clicking the Settings symbol opens a menu providing access to the following options:

- **Support**: Our support page has a technical FAQs section and a forum providing information on using ScriptRunner as well as many useful tips and tricks. In addition, you can register for online support, create a ticket, or send an e-mail message to our support using your default e-mail client.
- **Internal Support**: Specify your internal support connections here to use for your Operator role users in the ScriptRunner Delegate App for internal support messages.
- **Resources**: The resources section contains useful external links to valuable information on scripting and on setting up and using the Remote PowerShell.
- **Video tutorials**: The ScriptRunner YouTube channel shows you video tutorials about ScriptRunner.
- **License**: Provides license information and also allows activation of licenses.
- **Tags**: Tags allow identifying, managing, and filtering actions, target systems, scripts, and credentials. Tag management shows you all existing tags; you can create new tags, and change or delete existing tags. ScriptRunner will automatically generate tags from the subfolders you use in the script repository, and will apply these tags to the respective scripts and their actions as an initial default.
- **Settings**: Allows configuring of the path to the scripts repository.
- **About ScriptRunner**: Here you find your current ScriptRunner version number and additional information about AppSphere.

1.6 List Views

Each item of the main navigation section shows a respective view in the main content of the UI: the dashboard view and a list view for each of the categories: Actions, Targets, Scripts and Credentials. If team functions are active, there is also an Authorization list view for the configured roles and their permissions.

Each of the views fills the action bar with the functions that are available for the respective elements.

Each list view includes a tag filter and a search field (Figure 4). You can use these filters separately or in combination. When using the tag filter and the search function at the same time, logical conjunction (AND) is applied for filtering. Using the main navigation section items will reset all filters and search input.

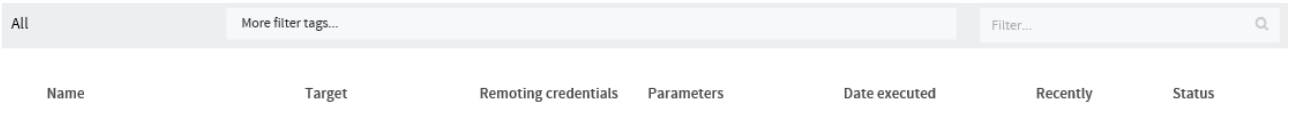

Figure 4: List view of the action category

2 Troubleshooting

Issue	Solution
PowerShell Remoting can't connect to a target system	> Check if the name of the target configuration in ScriptRunner is correct, and if the system can be reached in your network, with `ping <name>` > The user credentials do not have sufficient rights to access the target system. > The credentials configured in ScriptRunner contain a wrong password. > The credentials configured in ScriptRunner do not exist in Active Directory. > The credentials in Windows Credential Manager are no longer correct. > PS-Remoting is not enabled on the target system. > The selected authentication mode is not supported by the target system. Try again with a different authentication mode. > If you use SSL, make sure a respective certificate exists on the target system and that the root certificate is installed in the trusted root certificate store on the ScriptRunner system.

The #ASR parameters are not shown correctly in the action wizard, or the values do not arrive correctly in the script.	If no parameter block is defined in the script header, you can also declare script parameters using the following Parameter syntax:
	
	`#ASR Parameter:<Parameter_1> Description: <Description_1>`
	`#ASR Parameter:<Parameter_n> Description: <Description_n>`
	Specify the parameter name without $ and without any space characters.
	ScriptRunner will reflect any changes of the parameter declaration in the script after its next restart. A restart is not required for changes in the script code.
	PowerShell rules for parameter values apply.

There are scripts missing, or there are no scripts at all, in ScriptRunner	Make sure that the script files are contained in the ScriptRunner script repository path. By default it is: `%ProgramData%\AppSphere\ScriptMgr` In ScriptRunner, you can view, and change, the path in **Settings.**
The wizard to create a new object (credentials, target, and action) does not show the OK button.	Make sure all required input has been specified. Multi-page wizards display pages with completed input in green. Required fields are marked with an exclamation mark on the right side.

3 Glossary

Term	Description
Action	An action is a configurable policy for the context to execute a script. Every action references a script, a selection of targets, and user credentials.
Bar Chart / Execution Statistics	The execution statistics are represented as bar chart on the dashboard give an overview on the executed scripts and the success of actions in a certain time period. The data can be filtered with the sub-menu in the left-hand menu as well as by the category filters in the tiles. Clicking a bar directly opens the report window to show the respective reports. Adjust the time period displayed by setting it in the chart headline. > **Single**: Show every action execution matching the filters > **Hourly**: Show the action execution matching the filters, cumulated over an hour > **Daily**: Show the action execution matching the filters, cumulated over a day
Credentials	User credentials are required to execute an action. User credentials allow to execute a script in a different user context. The user credentials are stored in the local Windows Credential Manager with prefix "ASR:". ScriptRunner will reference these entries, but will not read the entries to show the passwords in the UI.
Cmdlets	A single PowerShell command. Cmdlets may return .NET framework objects.
CSV	Character Separated Values (file format)
Dashboard (Button)	Defines the selected object (action, credentials, target, or script) as a filter for all stored reports. The dashboard will open and show all reports connected with the selected object in a chart.
Edit	A click on the **Edit** button opens a wizard to edit the properties of the selected object (action, credentials, target, or script).
Filter…	Allows filtering the current entries of a view (actions, targets, credentials or scripts) for a specific substring. The filter will be applied to the name of the entries, as well as other important properties like tags. Wildcard characters or regular expression syntax are not supported.
Help (Button)	Click the help button to get context sensitive help content.
IE	Internet Explorer
NEW	A click on **NEW** will open a wizard to create a new action, target, or credential object in ScriptRunner.

Term	Description
Report (Button)	Defines the selected object (action, credentials, target or script) as a filter for all stored reports. The report window will open and list all reports connected with the selected object. The report window will always show the last and previous report side by side. You can copy the report on the right to the clipboard, store it to a file, or send by email.
Script	Use actions to execute a script on one or several target systems. ScriptRunner supports direct local execution and remote execution of PowerShell scripts, and Visual Basic scripts.
Status bar	The status bar shows the currently executed scripts and current messages.
Tag Filter	Allows filtering the current entries of a view (actions, targets, credentials or scripts) for specific tags. The tag filter will only show entries that have all the specified tags assigned.
VBS	Visual Basic Script
Target	Target systems are physical computers or virtual machines like servers or clients in your computer network infrastructure, or Cloud-Services like Office365, Azure, and Amazon. Targets need not be part of one's own Windows domain.

4 About this Document

4.1 Prerequisites

This manual requires specific technical knowledge, and that the reader is familiar with the relevant terminology. In case you have not been able to solve a problem using the information provided here, visit our website support.appsphere.com for details on how to solve specific issues.

4.2 Technical Support

ScriptRunner is made by AppSphere AG. Technical support is provided on the AppSphere support website, or by e-mail. Furthermore we provide some video tutorials on our YouTube channel as well as help pages and info text in the ScriptRunner application itself.

4.2.1 Website

The ScriptRunner website offers a general overview:

> www.scriptrunner.de

The AppSphere support website at support.appsphere.com offers plenty of technical information:

> Detailed manuals
> FAQs on ScriptRunner
> A customer forum where you can ask questions or obtain advice on ScriptRunner.
> Alternatively, you may send requests directly via a contact form in ScriptRunner

4.2.2 E-Mail

To access technical support by e-mail, contact us at:

support@appsphere.com

4.3 Conventions

The following formats are used for various types of instructions:

Bold:	Menus and menu items, dialog names, input and list boxes, messages, and prompts.
Italics:	Administrator entries
`Monospace font:`	Code, paths, and filenames
Hyperlinks:	Hyperlinks

Note	Important notes, useful hints and tricks

4.4 Legal Notes

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